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THE FOLLOWING IS THE ENGLISH TRANSLATION OF THE ARTICLE 34 AMENDED SHEETS (Pages 43-49)

Amended claims:

1. A precipitated silica which has the following physical and chemical properties:

5 CTAB surface area $100-200 \text{ m}^2/\text{g}$ BET/CTAB ratio 0.8-1.05

DBP value 210-280 g/(100 g)

Sears value V_2 10-30 ml/(5 g)

Moisture level 4-8%.

10 Ratio of Sears value V_2 to BET surface area 0.150 to 0.370 ml/(5m²)

- The precipitated silica as claimed in claim 1, characterized in that
- the BET/CTAB ratio is from 0.9 to 1.03.
 - The precipitated silica as claimed in claim 1 or 2,

characterized in that

- the Sears value V_2 is from 20 to 30 ml/(5 g).
 - 4. The precipitated silica as claimed in any of claims 1 to 3, characterized in that
- 25 the CTAB surface area is from 100 to 160 m^2/g .
 - 5. The precipitated silica as claimed in any of claims 1 to 4, characterized in that
- 30 the DBP value is from 250 to 280 g/(100 g).
- The precipitated silica as claimed in any of claims 1 to 5, characterized in that
 the BET surface area is 80-110 m²/q.
 - 7. The precipitated silica as claimed in any of claims 1 to 5,

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characterized in that the BET surface area is $110-150 \text{ m}^2/\text{g}$.

- 8. The precipitated silica as claimed in any of claims 1 to 7, characterized in that the ratio of Sears value V_2 to the BET surface area is from 0.140 to 0.370 ml/(5 m²).
- 10 9. A process for preparing precipitated silicas, characterized in that in succession
 - a) an aqueous solution of an alkali metal silicate or alkaline earth metal silicate and/or of an organic and/or inorganic base with pH from 7 to 14 is taken as initial charge,
 - b) water glass and an acidifier are metered simultaneously into this initial charge at from 55 to 95°C, with stirring, for from 10 to 120 minutes,
 - g) stirring of the resultant suspension is continued at from 80 to 98°C, for from 1 to 120 minutes,
 - h) an acidifier is used to acidify to pH of from 2.5 to 5, and
 - i) the material is filtered and dried.
 - 10. The process as claimed in claim 9, characterized in that
- 30 after step b) the additional steps of
 - c) stopping the feed for from 30 to 90 minutes while maintaining the temperature, and
- d) then, where appropriate, simultaneously feeding
 water glass and an acidifier at the same
 temperature, with stirring, for from 20 to 120
 minutes, preferably from 20 to 80 minutes
 are carried out once or twice.

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- 11. The process as claimed in claims 9 and 10, characterized in that, following b) or d), in step e) the pH is adjusted to from 3 to 11 by adding an acidifier.
- 12. The process as claimed in claim 11, characterized in that, following step b) or d), in step e) the pH is adjusted to from 7 to 10 by adding acid.
- 13. The process as claimed in claim 11 or 12, characterized in that in an additional step f) the pH is increased to from 8 to 14 by adding a basic compound.
- 14. The process as claimed in claim 13, characterized in that the base used comprises an alkali metal silicate and/or alkaline earth metal silicate and/or an alkali metal hydroxide and/or an alkaline earth metal hydroxide.
- 15. The process as claimed in any of claims 9 to 14,
 25 characterized in that
 during one of steps a) to h) an organic or
 inorganic salt is added.
- 16. The process as claimed in any of claims 9 to 15,

 characterized in that
 for the drying process use is made of a pneumatic
 drier, spray drier, disk drier, belt drier,
 rotating-tube drier, flash drier, spin flash
 drier, or spray tower.
 - 17. The process as claimed in any of claims 9 to 16, characterized in that after the drying process, a roller compactor is

used for pelletizing.

18. The precipitated silica claimed in any of claims 1 to 8, or prepared as claimed in any of claims 9 to 17,

characterized in that

its surfaces have been modified with organosilanes of the formulae I to III

 $Si[R^{1}_{n}(RO)_{r}(Alk)_{m}(Ar)_{p}]_{q}[B]$ (I),

10 $\operatorname{SiR}^{1}_{n}(RO)_{3-n}(Alkyl)$ (II),

or

 $SiR^{1}_{n}(RO)_{3-n}(Alkenyl)$ (III),

where

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15 B is -SCN, -SH, -Cl, $-NH_2$, $-OC(0)CHCH_2$, $-OC(0)C(CH_3)CH_2$ (if q = 1), or $-S_w$ - (if q = 2), B being chemically bonded to Alk,

are an aliphatic, olefinic, aromatic, or R and R1 arylaromatic radical having 2-30 carbon atoms, optionally with substitution by the following groups: the hydroxyl, amino, alcoholate, cyanide, thiocyanide, halo, sulfonic acid, sulfonic benzoic acid, ester, benzoic thiol, carboxylic acid, carboxylic acrylate, methacrylate, or organosilane where the meaning radical. R^1 and substitution of R

30 n is 0, 1, or 2,

Alk is a bivalent unbranched or branched hydrocarbon radical having from 1 to 6 carbon atoms,

m is 0 or 1,

is an aryl radical having from 6 to 12 carbon atoms, preferably 6 carbon atoms, which may have substitution by the following groups: the hydroxyl, amino,

identical or different,

		alcoholate, cyanide, thiocyanide, halo,	
		sulfonic acid, sulfonic ester, thiol,	
		benzoic acid, benzoic ester, carboxylic	
		acid, carboxylic ester, acrylate,	
5		methacrylate or organosilane radical,	
	p	is 0 or 1, with the proviso that p and n	
		are not simultaneously 0 ,	
	đ	is 1 or 2,	
	x	is a number from 2 to 8,	
10	r	is 1, 2, or 3, with the proviso that r +	
		n + m + p = 4,	
	Alkyl	is a monovalent unbranched or branched	
		saturated hydrocarbon radical having	
		from 1 to 20 carbon atoms, preferably	
15		from 2 to 8 carbon atoms,	
	Alkenyl	is a monovalent unbranched or branched	
	_	unsaturated hydrocarbon radical having	
		from 2 to 20 carbon atoms, preferably	
		from 2 to 8 carbon atoms.	
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	9. The pred	. The precipitated silica as claimed in any of	
_	_	to 8 or as prepared in any of claims 9 to	
	17,		
	-	rized in that	
25		aces have been modified with organosilicon	
23		s whose composition is	
		(where $n = 1, 2, 3, 4$),	
		$[z]$ (where $0 \le x \le 2$; $0 \le y \le 2$; $3 \le z \le 10$,	
	-		
2.0		+ y = 2),	
30		y_z (where $0 \le x \le 2$; $0 \le y \le 2$; $3 \le z \le 10$,	
		+ y = 2),	
		$iR^2_oX_p$ (where $0 \le n \le 3$; $0 \le m \le 3$; $0 \le o$	
		$p \le 3$, where $n + m = 3$, $o + p = 3$),	
		$iR^2_cX_p$ (where $0 \le n \le 3$; $0 \le m \le 3$; $0 \le o$	
35	≤ 3; 0 ≤	$p \le 3$, where $n + m = 3$, $o + p = 3$),	
	and/or		

$$\begin{split} & \text{SiR}^2{}_n X_m [\, \text{SiR}^2{}_x X_y \text{O} \,]{}_z \text{SiR}^2{}_o X_p \ \, (\text{where 0} \, \leq \, n \, \leq \, 3 \, ; \, \, 0 \, \leq \, m \, \leq \, 3 \, ; \\ & 0 \, \leq \, x \, \leq \, 2 \, ; \, \, 0 \, \leq \, y \, \leq \, 2 \, ; \, \, 0 \, \leq \, o \, \leq \, 3 \, ; \, \, 0 \, \leq \, p \, \leq \, 3 \, ; \, \, 1 \, \leq \, z \, \leq \, \end{split}$$

10000, where n + m = 3, x + y = 2, o + p = 3) where

R² is alkyl and/or aryl radicals, substituted and/or unsubstituted, having from 1 to 20 carbon atoms, and/or is alkoxy, and/or alkenyl, and/or groups, and/or is sulfur-containing alkynyl groups,

X is a silanol, amino, thiol, halogen, alkoxy, alkenyl and/or hydrogen radical.

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A process for preparing the silicas as claimed in 20. claim 18 or 19,

characterized in that

conditioning.

the precipitated silicas are modified with organosilanes in mixtures of from 0.5 to 50 parts, 15 based on 100 parts of precipitated silica, particular from 1 to 15 parts, based on 100 parts of precipitated silica, where the reaction between precipitated silica and organosilane is carried out during the preparation of the mixture (in 20 situ) or externally via spray application and subsequent heat-conditioning of the mixture, via silica mixing of the organosilane and the suspension with subsequent drying and heat-

- The use of silicas as claimed in any of claims 1 21. 20 in elastomer mixtures, in vulcanizable rubber mixtures, and/or in other volcanizates, such as pneumatic tires, tire treads, cable sheathing, hoses, drive belts, conveyor belts, Vbelts, roller coverings, tires, shoe gaskets, and damping elements.
- The use of silicas as claimed in any of claims 1 35 22. 20 in battery separators, as antiblocking agent, as matting agent in inks and paints, as carrier for agricultural products and for feeds,

in coatings, in printing inks, in fireextinguisher powders, in plastics, in the nonimpact printing sector, in paper pulp, or in the personal care sector.

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23. A vulcanizable rubber mixture or a vulcanizate comprising, as filler, the precipitated silica as claimed in claim 1, with the following physical and chemical properties:

10 CTAB surface area $100-200 \text{ m}^2/\text{g}$ $BET/CTAB \text{ ratio} \qquad 0.8-1.05$ $DBP \text{ value} \qquad 210-280 \text{ g/(100 g)}$ $Sears \text{ value } V_2 \qquad 10-30 \text{ ml/(5 g)}$ $Ratio \text{ of Sears value } V_2 \text{ to}$ $15 \qquad BET \text{ surface area} \qquad 0.150 \text{ to } 0.370 \text{ ml/(5m}^2)$ $Moisture level \qquad 4-8\%.$